

**From:** Laura Hoberecht - NOAA Federal  
**To:** [Bachman, Brenda](#)  
**Subject:** Re: Additional important info  
**Date:** Tuesday, August 16, 2016 3:23:40 PM

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Hi Brenda,

Wanted to keep you posted and let you know that I haven't yet been able to connect with Jen Stegar from our Restoration Center about funding for running samples. I did check with the Northwest Fisheries Science Center and it sounds like they have the facilities to run the type of analysis I think you are asking for, but it would be for fish (most likely juvenile coho), not oysters (and of course is contingent on funding and staff availability). We do have a shellfish hatchery at our Manchester facility, but it isn't set up for contaminant testing.

I'll let you know if I hear anything more definitive before the end of the week.

Thanks,

Laura

### Teleworking Mon and Tues and may be reached by cell

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On Mon, Aug 15, 2016 at 11:04 AM, Bachman, Brenda <[bachman.brenda@epa.gov](mailto:bachman.brenda@epa.gov)> wrote:

Hi Laura,

Unfortunately, we have a change of plans here that affects our discussion last week. The primary question we plan to answer is "Is there a toxicant present that caused pacific oyster seed stock to

die, and caused adult pacific oysters to respond with abnormal growth (shell deformities and yellowing of flesh and shell) and ultimately mortality.”

We plan to do a toxicant identification evaluation which includes first identifying water and tank precipitate contaminant concentrations (EPA Manchester Lab can do that), with a subsequent oyster seed and/or adult oyster testing of dissolved contaminants to determine effects. So what we really need from NOAA is a lab that can grow oysters and test their responses. Is NOAA able to do that?

Thanks, Brenda

**From:** Laura Hoberecht - NOAA Federal [mailto:[laura.hoberecht@noaa.gov](mailto:laura.hoberecht@noaa.gov)]

**Sent:** Friday, August 12, 2016 4:05 PM

**To:** Bachman, Brenda <[bachman.brenda@epa.gov](mailto:bachman.brenda@epa.gov)>

**Subject:** Re: analysis costs

Thanks. I will run numbers by Jen next week. Also I checked and the condition on NWPs to not work in areas of concentrated shellfish does not apply to NWP27 for habitat restoration.

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On Fri, Aug 12, 2016 at 4:00 PM, Bachman, Brenda <[bachman.brenda@epa.gov](mailto:bachman.brenda@epa.gov)> wrote:

Laura,

Checked in with our chemists and found out that we are looking at about ~20 per metal plus grain size costs of about ~\$75 per sample. We can also do a metals suite plus grain size for a total of about \$200 per sample (a little more for sediment and a little less for water).

Regards, Brenda

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